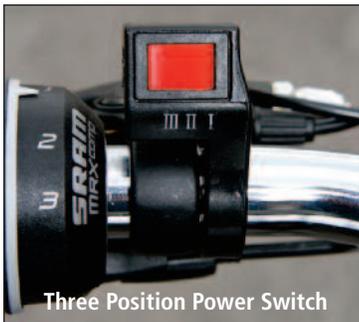


Motor Interface to Axle



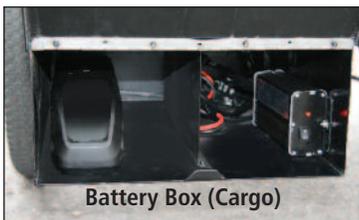
Digital LED Display



Three Position Power Switch



Throttle Controller



Battery Box (Cargo)

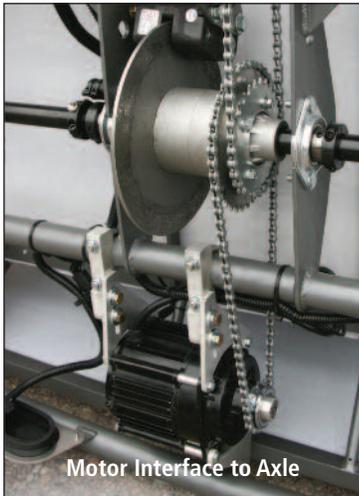
Our E-assist system is designed to provide extra power when pedaling alone is not enough. Whether carrying Pedicab passengers or heavy warehouse loads, the Coaster E-assist was developed to handle a variety of situations.

Designed for adjustability, with three main power settings available: **Economy** - up to 500w, **Legal** - ~500w - 750w, and **Unlimited** - 750w - 1650w and higher.

*Includes motor, mounting bracket, installation, one high-quality 48v/14Ah lithium ion battery and charger. Order a second battery and charger for an additional \$695.

E-Assist Specifications:

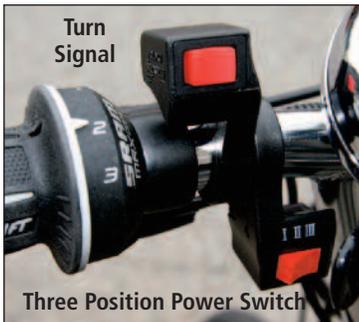
- Motor:**
- 48v stock setup. 36v or 72v available for custom orders
 - Brushless DC gear motor w/ 1/2" output shaft and heavy duty, free wheel
 - Street compliant, programmable and lockable from 250w - 750w
 - Work site capabilities of 1650w - 3000w (when properly programmed and equipped)
- Controller:**
- 40A controller, 36v - 72v capable
 - Waterproof, pushbutton power switch to disable system
 - No unplugging from battery needed
- Battery:**
- Lithium Ion 48v/14Ah lockable, hard case, down tube style battery
 - Includes 2.5 amp charger
 - Power status indicator and lighted display
 - Theft proof, keyed battery lock
- Pedal Assist:**
- Torque sensing bottom bracket
 - Senses torque being applied from both pedals
 - 12 pole cadence sensor
- Digital Read Out Display:**
- We use one of the most versatile and advanced dash board monitors to give feedback and adjustability
- Monitors:**
- Watt gauge, voltage status, MPH/KPH, trip odometer, bike odometer, wattage output (rider/motor), throttle position, brake lock indicator, speed limiting cutoff and much more
- Three-Position Power Setting:**
- Handlebar mounted three position switch that toggles between three pre-programmed power settings – low, medium and high
- E-Brake Cut Off:**
- Both front and rear brake levers cut power to motor when squeezed
- E-Assist:**
- E-assist is standard programming where motor output is determined by rider pedal input (light pedaling gives low motor output, heavy pedaling produces higher motor output to match demand)
 - Optional ambidextrous thumb throttle
- Drive Train:**
- Motor is linked to the rear differential via heavy duty 1/2" pitch bike chain with 14 tooth free wheel sprocket on motor to a 36 tooth stainless steel rear differential sprocket
 - No E-power is run through the pedal drive system, so no concerns of premature pedal drive train failure



Motor Interface to Axle



Digital LED Display



Turn Signal

Three Position Power Switch



Throttle Controller



Battery Box (Pedicab)

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